

Ruijie (Rugee) Fan

Full-Stack Developer · TypeScript · React · Node.js · PostgreSQL

Sydney, NSW · Full work rights · Open to relocate

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PROFILE

Full-stack developer who ships production software end-to-end — database schema to Docker deployment. I co-run a Sydney cleaning business and built the platform it operates on (**2,250+ jobs** processed), and deliver paid e-commerce and web systems for local businesses through my company, Ruge Solutions. Master of Computer Science (UOW). Looking for a full-stack or front-end role in a team where I can keep learning from stronger engineers.

SKILLS

Languages	TypeScript, JavaScript, SQL, Solidity, HTML / CSS
Front-end	React 19, Next.js (App Router), Remix, React Native (Expo), Tailwind, shadcn/ui, three.js / R3F
Back-end & data	Node.js, REST APIs, PostgreSQL, Prisma, Zod, Supabase (RLS), auth (sessions, JWT, OAuth, SMS OTP)
Integrations	Stripe (Checkout + webhooks), Twilio, Google Maps, Claude / OpenAI APIs (tool-calling), wagmi / viem
DevOps & tooling	Docker, Nginx, Linux VPS, Vercel, Fly.io, Git / GitHub · Foundry, Jest, Playwright · AI-assisted dev (Claude Code)

EXPERIENCE

Founder & Full-Stack Developer — Ruge Solutions Pty Ltd, Sydney 2020 – Present

Co-own and run a family cleaning business (trading as PureGlim — 2 crews, 140+ customers) and build the software it runs on; also scope, build, deploy and maintain paid web projects for local businesses, working directly with non-technical owners.

Cleaning Manager — multi-role operations SaaS, sole developer cleaning-manager-showcase.vercel.app · Dec 2025 – Present
Next.js 15 · React 19 · TypeScript · PostgreSQL · Prisma · Tailwind / shadcn · Docker · Nginx

- **In daily production use:** 2,250+ jobs, 146 customer accounts and 120+ invoices. Admin console, mobile-first crew app and customer portal in one codebase — 18 data models, 52 API endpoints, ~45k lines of TypeScript, English / Chinese.
- Built a recurring-job engine (12-week rolling window, “this / future / all” scoped edits), drag-and-drop weekly board, PDF & SMS invoicing with signed public links, receivables ageing and crew commission settlement.
- Added an AI operations assistant (Claude tool-calling + Whisper voice) with a restricted tool schema, confirm-before-execute cards and a full audit log; recorded key design decisions in 6 ADRs.

Royal Rose — e-commerce store & admin, paid client royalrose.com.au · Mar 2025 – Present
Remix · React · TypeScript · Stripe · PostgreSQL · Prisma · Zustand · Docker

- Delivered storefront and back office: Stripe Checkout with webhook-driven order states, postcode shipping zones, Google OAuth, multi-language, CMS-editable pages, image pipeline, and product / order / customer management.
- Migrated production from Fly.io to a self-hosted Docker + Nginx VPS with database restore and automated backups.

SaunaMind — iOS wellness app, contract developer in a 3-person team TestFlight · May – Jun 2026
React Native · Expo · TypeScript · Supabase · Skia / Reanimated · Jest

- Onboarded to an existing 800-commit codebase and shipped **155 commits in 4 weeks**; handed back with audit reports and docs.
- Closed P0 security gaps: Supabase row-level security on user tables; tested signature checks on Twilio / RevenueCat webhooks.
- Led the front-end redesign: design tokens, real-time heart-rate session UI (Skia / Reanimated), Dynamic Island Live Activity, i18n.

PureGlim — booking site, referral platform & admin pureglim.com.au · Apr – Jun 2026
Next.js 16 · React 19 · PostgreSQL · Prisma · Twilio Verify · Google Maps · Nodemailer

- Quote flows with live price estimator and address autocomplete; referral program with phone-OTP sign-up, unique codes, commission tracking and payout dashboard; admin booking pipeline with audit timeline; rate limiting and brute-force lockout.
- Local SEO: 11 data-driven suburb landing pages, LocalBusiness JSON-LD, dynamic sitemap.

PERSONAL PROJECT

Effigy — generative on-chain NFT (Web3) effigy-coin.vercel.app · Jun – Sep 2026
Next.js 16 · three.js / React Three Fiber · wagmi · viem · RainbowKit · Solidity 0.8 · Foundry · OpenZeppelin

- Turns a wallet’s on-chain history into a unique 3D antique coin, minted as an ERC-721 with ERC-2981 royalties and EIP-712 signed vouchers that block forged traits; contract deployed and verified on Base Sepolia.
- 17 Foundry tests including fuzzing; coin models compressed 81 MB → 18 MB (meshopt) and fully preloaded; mobile WebGL fallback.

HOW I WORK

- **Keeps learning:** picked up React Native, Remix and Solidity on the job — each shipped within weeks.
- **Owns the outcome:** when production breaks I fix it first, then explain what happened — no blame-shifting.
- **Communicates plainly:** years of handling customers, staff and clients as a business owner; writes clear hand-over docs.

EDUCATION

Master of Computer Science Aug 2020
University of Wollongong, NSW

INTERESTS

Music — plays guitar and bass · Travel · Languages: English, Mandarin